

U.S. Patent Application Serial No. 10/667,946
Reply to Office Action mailed December 10, 2004

Amendments to the Specification:

Please amend the title on page 1, line 1 as follows:

**PWM SWITCHING REGULATOR POWER SOURCE APPARATUS WITH CURRENT AND
VOLTAGE FEEDBACK**

Please amend the paragraph on page 20, lines 2-18 as follows:

In a switching power source apparatus which outputs a DC output voltage converted from a DC power source voltage, the DC output voltage is compared with a reference voltage to generate a feedback signal which decreases as the DC output voltage increases. A current detecting signal which decreases as the output current increase is also generated. The smaller [[one]] of the feedback signal and the current detecting signal, as a comparison signal, is compared with a triangular signal in a PWM comparator to produce a PWM signal. A semiconductor switch is on-off controlled by the PWM signal. Therefore, the apparatus can perform a constant voltage control with a current limit function, ~~which can improve the accuracy of a current limit operation, eliminate the need of a special high speed operation of a current detecting circuit and a driver and stabilize the output voltage during the operation of current limit.~~